- -	ie TOF-MS				
Post-treatment	Truncated CH3CO-Peptide		1-20% DMAE aq. 60-100C, 0.5-2h	or	10% Pyridine aq. 100C, 0.5h
Main Reaction	Dry up CH3CO)n-Peptide(dehydro) Dry up Dry up	1-20% CF3 (CF2) nCOOH	80-99% CH3CO	CH3CO	20-60C, 1-16h n=0,1,2
Pre-treatment	eptide —— CH3CO-Peptide	5% СНЗСООН	95% CH3CO, CH3CO	(+ 1%Pyridine)	50C, 1h

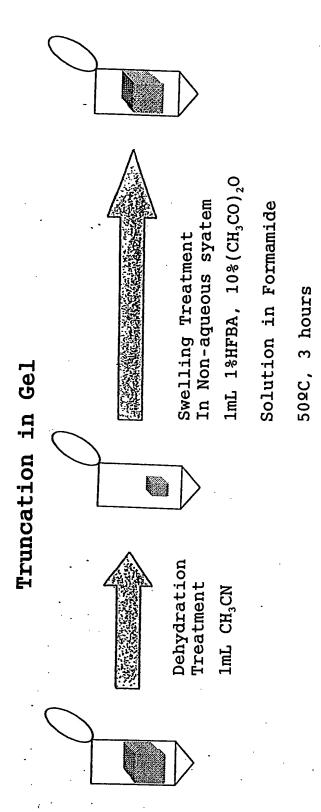
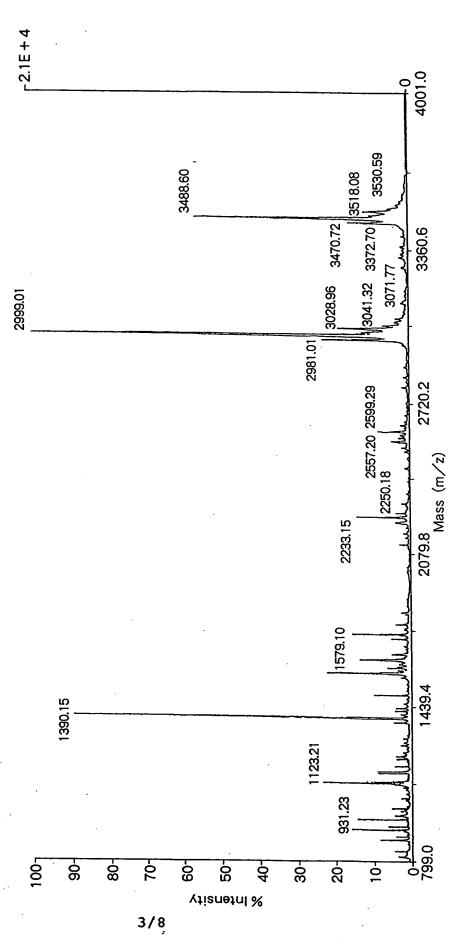


Fig. 3

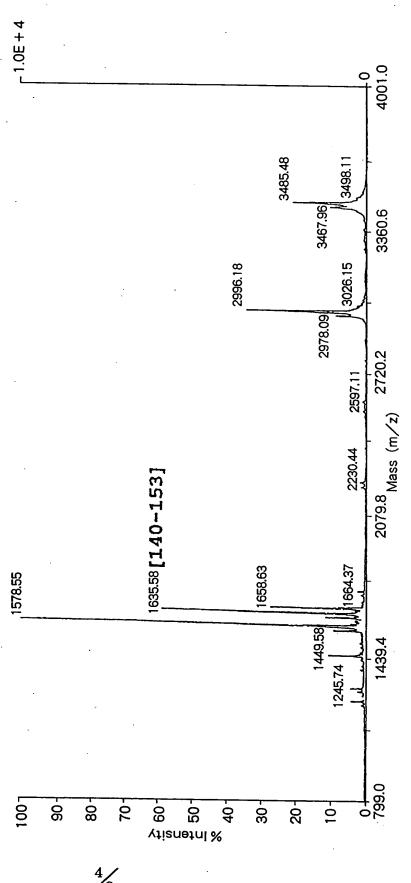
MALDI-TOF MS on positive mode

Mb, 3h in test tube



Best Available Copy

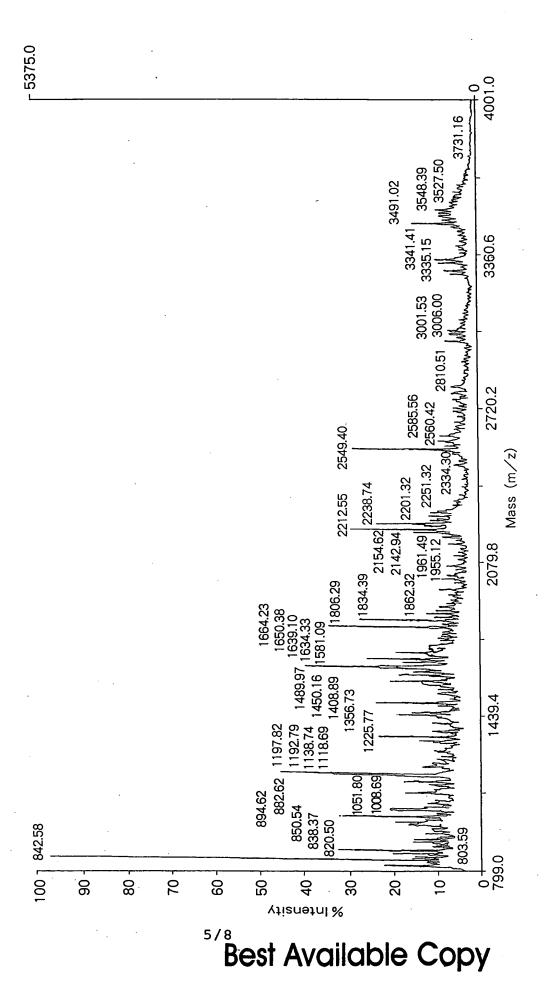
MALDI-TOF MS on negative mode Mb, 3h in test tube



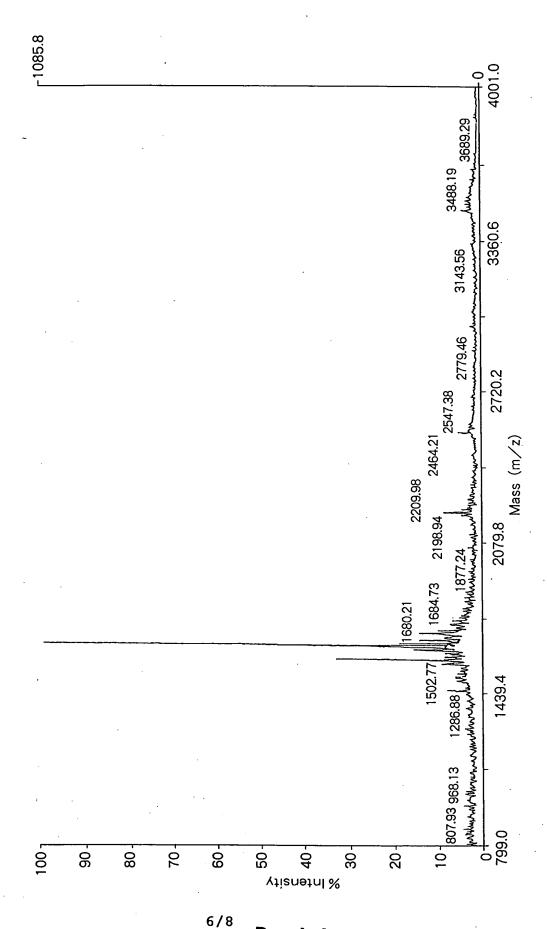
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Fig. 5



Mb truncation in gel on negative mode



Mb truncation in gel on positive mode

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myoglobin - horse

[1 - 153] mass = 17738.180 Cleavage at R

```
Small polar: D(7)
                                 E(13) N(3)
              Large polar: K(19)
                                 R(2)
                                      H(11)
         Small non-polar: S(5)
                                 T(7)
                                       A(15) G(15)
         Large non-polar: L(17)
                                 1(9)
                                        V(7)
                                              M(2)
                                                     F(7)
                                                           Y(2) W(2)
                  Special: C(0)
                                 P(4)
K[16] + 42.04
K[50] + 42.04
                 K[42] + 42.04
                                 K[45] + 42.04
                                                K[47] + 42.04
                 K[56] + 42.04
                                 K[62] + 42.04
                                                K[63] + 42.04
K[77] + 42.04
                 K[78] + 42.04
                                 K[79] + 42.04
                                                K[87] + 42.04
K[96] + 42.04
                 K[98] + 42.04
                                K[102]+42.04 K[118]+42.04
K[133] + 42.04
                 K[145] + 42.04 K[147] + 42.04
1 GLSDGEWQQVLNVWG&VEADIAGHGQEVLI 30
```

31 R I f t ghpe t I e & f d & f & h I & t e a e m & a s e d 60 61 I & h g t v v I t a I g g i I & & g h h e a e I & p I a 90 91 q s h a t & h & i p i & y I e f i s d a i i h v I h s & h p 120 121 g n f g a d a q g a m t & a I e I f r N D I A A & Y & E L G 150 151 F Q G 153

(1)
$$[1-31] = 3444.742$$
 (2) $[32-139] = 12692.649$ (3) $[140-153] = 1636.809$

With a machine

